

# MATERIAL SAFETY DATA SHEET

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Revision No: New MSDS

Scotts® GRUBEX® Season-Long Grub Control

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Scotts® GRUBEX® Season-Long Grub Control  
**PRODUCT DESCRIPTION:** Grub Control

### MANUFACTURER

The Scotts Company  
Earthgro - Hyponex - Miracle Gro - Scotts  
Scotts Sierra - Swiss Farms  
14111 Scottslawn Road  
Marysville, OH 43041

**EPA REG. NO.:** 3125-463-538 **PN:** S10753

### 24 HR. EMERGENCY TELEPHONE NUMBERS

**CHEMTREC (U.S.):** (800) 424-9300  
**International:** 1-703-527-3887  
**Emergency Phone:** 1-937-644-0011

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS#</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Imidacloprid (Merit®)	138261-41-3	None	None

**COMMENTS:** The ACGIH Threshold Limit Values (TLV) for nuisance (inert) dusts containing < 1% crystalline silica and no asbestos are: 10 mg/m3 inhalable particulates and 3 mg/m3 respirable particulate. The OSHA TLV is 15 mg/m3 total dust, 5 mg/m3 respirable fraction. Material exposure limits are for airborne 8-hour time-weighted averages and apply only to occupational exposures.

## 3. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

#### IMMEDIATE CONCERNS: - CAUTION

- Avoid contact with eyes, skin, or clothing.
- May cause skin and eye irritation.
- Harmful if swallowed.
- Do not inhale dust.
- KEEP OUT OF REACH OF CHILDREN AND PETS.

### POTENTIAL HEALTH EFFECTS

**EYES:** Causes eye irritation.

**SKIN:** May cause skin irritation.

**INGESTION:** Harmful if swallowed.

**INHALATION:** Prolonged or excessive inhalation may cause respiratory tract irritation.

**ACUTE TOXICITY:** No specific symptoms of acute overexposure are known to occur in humans. Based on EPA Toxicity Category criteria, this material is mildly toxic by the oral and dermal routes. In addition, animal studies have shown that it is not a dermal irritant or a dermal sensitizer; however, it is mildly irritating to the conjunctiva of the eye, but the irritation is reversible within 7 days.

**ROUTES OF ENTRY:** Ingestion, skin, inhalation, and eyes.

**TARGET ORGAN STATEMENT:** Skin, eyes, respiratory tract, and gastrointestinal tract.

## 4. FIRST AID MEASURES

**EYES:** If in eyes, hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

**SKIN:** If on skin or clothing, take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**INGESTION:** If swallowed, call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

**INHALATION:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

**NOTES TO PHYSICIAN:** No specific antidote is available. Treat the patient symptomatically.

**COMMENTS:** See product label for specific First Aid Measures. The above measures are the most conservative - Pesticide Registration (PR) Notice 2000-3 - April 11, 2000 - and apply in the event a product label is not immediately available.

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## 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Dry chemical, water spray, CO<sub>2</sub>, foam.

**EXPLOSION HAZARDS:** Strong exothermal reaction above 200 degrees C (for imidacloprid).

**FIRE FIGHTING PROCEDURES:** Keep out of smoke, cool exposed containers with water spray. Fight fire from upwind position. Use self-contained breathing equipment. Contain run-off by diking to prevent entry into sewers or waterway. Equipment or materials involved in pesticide fires may become contaminated.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Hydrogen chloride, hydrogen cyanide, and oxides of carbon and nitrogen.

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## 6. ACCIDENTAL RELEASE MEASURES

**LARGE SPILL:** Isolate area and keep unauthorized people away. Do not walk through spilled material. Avoid skin contact and breathing dusts. Avoid generating dust (a fine water spray mist, plastic film cover, or floor sweeping compounds may be used if necessary). Use recommended protective equipment while carefully sweeping up spilled material. Place in covered container for reuse or disposal. Scrub contaminated area with soap and water. Rinse with water. Use dry absorbent material such as clay granules to absorb and collect wash solution for proper disposal. Contaminated soil may need to be removed and disposed. Do not allow material to enter streams, sewers, or other waterways.

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## 7. HANDLING AND STORAGE

**HANDLING:** See label. Avoid container breakage. Wash hands before eating, drinking, chewing gum, using tobacco or using toilet. Remove clothing immediately if product gets inside. Wash thoroughly and put on clean clothing. Keep out of lakes, streams, or ponds. **KEEP OUT OF REACH OF CHILDREN.**

**STORAGE:** See label for proper storage. Store in original container in a cool, dry area away from incompatible materials and heat sources. Store away from feed and foodstuffs, as well as household cleaning products. **KEEP OUT OF REACH OF CHILDREN.**

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use adequate ventilation to keep the airborne concentrations of this material below the recommended exposure standard.

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** See label. Protective eye wear is not required for normal product use. Wear appropriate eye protection in manufacturing situations where contact may result.

**SKIN:** See label. No special skin protection is necessary under normal use conditions. Avoid prolonged or frequently repeated skin contact with this material. Skin contact can be minimized by wearing protective clothing. Wash thoroughly with soap and water after handling.

**RESPIRATORY:** See label. No special respiratory protection is required under normal use conditions. However, if operating conditions create high airborne concentrations of product, a dust mask, or other appropriate respiratory protection (NIOSH/MSHA approved respirator for dusts, mists, and fumes) is recommended to reduce exposure to acceptable levels.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Granular

**VAPOR PRESSURE:**  $1.5 \times 10^{-9}$  for imidacloprid

**MELTING POINT:** 120-134C for imidacloprid

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## 10. STABILITY AND REACTIVITY

**STABLE:** YES

**HAZARDOUS POLYMERIZATION:** NO

**INCOMPATIBLE MATERIALS:** None known.

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## 11. TOXICOLOGICAL INFORMATION

### ACUTE

**EYES:** Mild eye irritation clearing in 7 days.

**DERMAL LD<sub>50</sub>:** >2000 mg/kg (rabbit).

**ORAL LD<sub>50</sub>:** LD50 (male and female rats): >4820 mg/kg

**INHALATION LC<sub>50</sub>:** LC50-4hr (rat): >5.09 mg/l air.

**SKIN EFFECTS:** Not irritating (rabbit).

**SENSITIZATION:** Not a dermal sensitizer.

### CARCINOGENICITY:

**CARCINOGENICITY COMMENTS:** IARC: No; NTP: No; OSHA: No

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## 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** This product is toxic to aquatic invertebrates. Do not apply directly to water. Do not contaminate water when cleaning equipment or disposing of equipment washwater.

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## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Securely wrap original container in several layers of newspaper and discard in trash. Do not reuse container.

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## 14. TRANSPORT INFORMATION

### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Not DOT regulated.

**COMMENTS:** The transportation information shown may not apply to all shipping situations. Consult 49 CFR or appropriate Dangerous Goods Regulations for additional description requirements and mode-specific or quantity-specific shipping regulations.

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## 15. REGULATORY INFORMATION

**GENERAL COMMENTS:** Contact local authorities for proper disposal of large quantities of unused product.

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## 16. OTHER INFORMATION

**REVISION SUMMARY** New MSDS

### NFPA CODES

**HEALTH:** 3    **FIRE:** 1    **REACTIVITY:** 1

**MANUFACTURER DISCLAIMER:** The information contained herein is, to the best of the Manufacturer's (see Section 1) knowledge and belief, accurate and reliable as of the date of preparation of this document. However, no warranty or guarantee, express or implied, is made as to the accuracy or reliability, and the Manufacturer shall not be liable for any loss or damage arising out of the use thereof. No authorization is given or implied to use any patented invention without a license. In addition, the Manufacturer shall not be liable for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices or from any hazards inherent in the nature of the product.

**ADDITIONAL MSDS INFORMATION:** NFPA Hazard Rating: 0=Least; 1=Slight; 2=Moderate; 3=High; 4=Severe.

**GENERAL STATEMENTS:** This document contains health, safety, and environmental information useful to emergency response agencies, health care providers, manufacturers, and workers/employees. It does not replace the precautionary language, use directions, or the storage and disposal information found on the product label.

**COMMENTS:** Use of this product is regulated by the U.S. Environmental Protection Agency (EPA) through the approved product label. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.